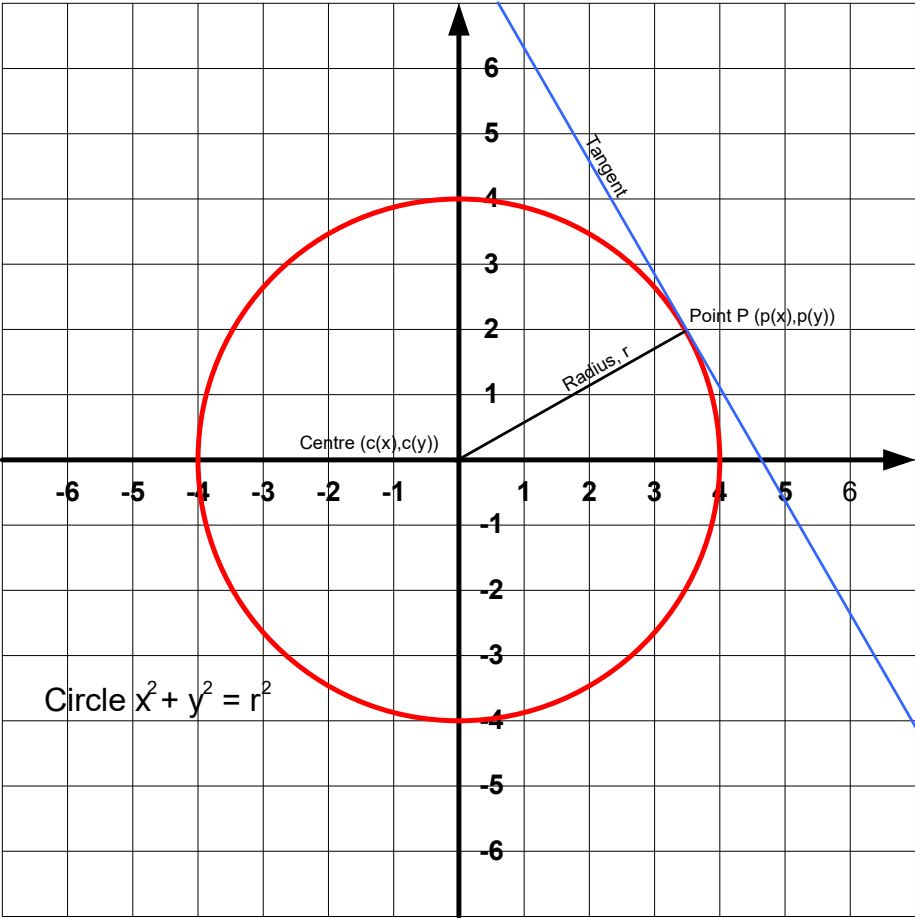


Success Criteria for Finding the Equation of a Tangent	Achieved
 <p data-bbox="304 936 539 981">Circle $x^2 + y^2 = r^2$</p>	
<p data-bbox="280 1220 1166 1249">I can find the co-ordinates of the point, p where the circle meets the line.</p>	
<p data-bbox="507 1256 938 1285">I can find the gradient of the radius.</p> $m = \frac{p(y) - c(y)}{p(x) - c(x)}$ <p data-bbox="233 1368 1214 1429">Where p is the point where the tangent meets the circle and c is the centre of the circle.</p>	
<p data-bbox="204 1442 995 1471">I can find the gradient of a line that is perpendicular to the radius.</p> $m_{Tangent} = -\frac{1}{m_{Radius}}$	
<p data-bbox="225 1588 1225 1648">I can use the co-ordinates of the point to substitute into the equation for a straight line and manipulate this to find the value of the intercept, c.</p> $y = mx + c$	